

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 September 2003 (12.09.2003)

PCT

(10) International Publication Number
WO 03/075030 A1

- (51) International Patent Classification⁷: G01R 33/14
- (21) International Application Number: PCT/EP02/02283
- (22) International Filing Date: 4 March 2002 (04.03.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): SICPA HOLDING S.A. [CH/CH]; Avenue de Florissant 41, CH-1008 Prilly (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MÜLLER, Edgar [CH/CH]; Rue P.-A. de Faucigny 7, CH-1700 Fribourg (CH). EGGER, Philipp [CH/CH]; Avenue d'Echallens 41, CH-1004 Lausanne (CH). SETO, Myron [US/CH]; Avenue du Grey 76, CH-1018 Lausanne (CH).
- (74) Agents: HEPP, Dieter et al.; Hepp, Wenger & Ryffel AG, Friedtalweg 5, CH-9500 Wil (CH).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

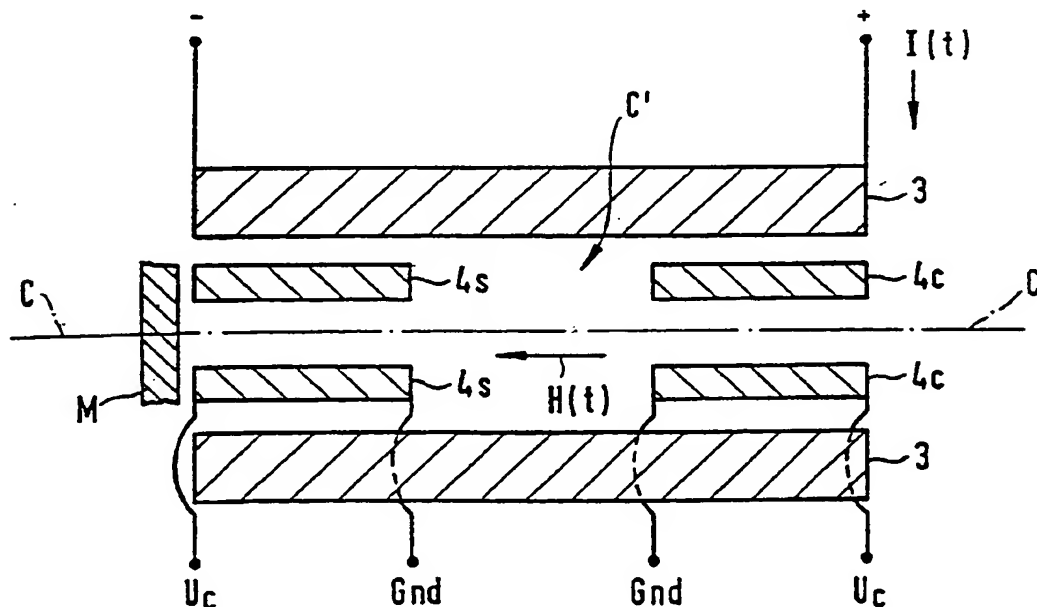
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MEASUREMENT PROBE AND AUTHENTICATION DEVICE COMPRISING THE SAME



(57) Abstract: The invention refers to a measurement probe for measuring magnetization data of at least one item (7), specifically a security document comprising at least one magnetic security material (M), said measurement probe comprising at least one core free magnetizing coil (3) characterized in that at least two magnetic field sensors (4s, 4c, 8s, 8c) are disposed at both ends inside said coil (3) at its both ends. The invention relates further to an authentication device comprising said measurement probe and to an authentication method carried out by means of said measurement probe and authentication device.

WO 03/075030 A1